

AIRCRAFT S/N 40.212
N925RH

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

AIRCRAFT

1. Nationality and Registration N925RH
2. Manufacturer's Designation DA40
3. Manufacturer's Serial Number 40.212
4. Type Approval or Specification Number A-224/A47CE
5. Date of Manufacture 2002 (June 1)
6. Aircraft Inspection Cycle _____

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	0	0	0	0	AIRCRAFT NEW



DIAMOND AIRCRAFT INDUSTRIES
D.O.T. APPROVED MANUFACTURER #161-93

SERIAL NUMBER

40.212

REGISTRATION MARK

N925RH



22 MAY 2002 S/N 40.212
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150
STEER	355	025	057	088	118	145
FOR	S	210	240	W	300	330
STEER	175	205	237	270	300	329



INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

DATE

22 May, 2002

INSPECTOR

Mark Truckey DA Q 5

23 MAY 2002	0	0	0	0	AIRCRAFT IS SERVICEABLE FOR FLIGHT
23 MAY 2002	0	0	0	0	AIRCRAFT IS SERVICEABLE FOR FLIGHT
23 MAY 2002			2.5		
23 MAY 2002			3.9		
24 MAY 2002			3.9		AIRCRAFT IS SERVICEABLE FOR FLIGHT
24 MAY 2002			4.7		
24 MAY 2002			4.9		
28 MAY 2002			4.9		ALL SNAGS RECTIFIED



DIAMOND AIRCRAFT INDUSTRIES
D.O.T. APPROVED MANUFACTURER #161-93

I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO THE
APPROVED TYPE DESIGN DATA AND IS IN A FIT AND SAFE STATE
FOR FLIGHT.

DATE

28 May, 2002

INSPECTOR

Mike Sfy DA Q 9

4.9

CARRIED FORWARD

ENGINEERING RECORD

1

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER



I certify that the ATC Transponder & Altitude Reporting
System(s) have been tested in Accordance with Chapter
571, Appendix F F.A.R. 91:217: & F.A.R. 91:413.

DATE

22 May, 2002

INSPECTOR

Mike Sfy DA Q 9



The ELT was tested and inspected in Accordance with Chapter 571,
Appendix G of the Airworthiness Manual and F.A.R. 91:207(d)

ANNUAL INSPECTION DUE: MAY 2003

BATTERY DUE: JANUARY 2008

DATE

22 May, 2002

INSPECTOR

Mike Sfy DA Q 9



I certify that the Static Pressure system has been
inspected and tested in accordance with Chapter 571,
Appendix B of the Airworthiness Manual, and F.A.R.
91:411

DATE

22 May, 2002

INSPECTOR

Mike Sfy DA Q 9



DIAMOND AIRCRAFT INDUSTRIES
D.O.T. APPROVED MANUFACTURER #161-93

THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO
APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS,
SPECIFICATIONS, CONCESSIONS) AND IS SERVICEABLE.

DATE

22 May, 2002

INSPECTOR

Mike Sfy DA Q 9



U.S. STANDARD AIRWORTHINESS CERTIFICATE
ISSUED

DATE: 01 June 2002 AND INSTALLED IN THE

AIRCRAFT ON BEHALF OF THE F.A.A. ON:

DATE: 01 June 2002
NR-MISS-46



AIR TIME AND

ENGINEERING RECORD

2

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD			4.9	
June 03/02			5	4
July 18/2002 TACH: 43			6	
13 Aug. 02 Tach 86.0			86.0	

ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.



Date: June 03, 2002 S/N: 40.212 Reg. #: N925RH
W/O RO-02-220 TACH: 5.4 HRS TSN: 5.4 HRS

Following additional work carried out:
Horizontal stabilizer vertical web holes reworked I.A.W. Diamond Aircraft Industries Austria Approved Repair design change advisory No. RAM 40-008.
The Engine Mixture Control Cable Replaced with new style improved design version P/N A-1510-0866.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-93

Signature *[Signature]* Lic. Or Stamp



Date: July 18, 2002 S/N: 40.212 Reg. #: N925RH
TACH: 43.6 HRS ENG S/N: L-30319-51A PROP S/N: 02124 W/O #RO-02-239

25/100 HR Inspection Carried out I.A.W. Diamond Aircraft Industries DA40 Current Maintenance Manual Chapter 5 Inspection Check Sheet.

Compression Readings notated as follows:
#1 79/80 #2 80/80 #3 79/80 #4 50/80.
Cause of low compression on cylinder #4 determined to be unseating intake valve. Cylinder #4 replaced with brand new cylinder and piston assy. Supplied by Textron Lycoming under warranty, all work carried out I.A.W. installation instructions of the current Lycoming overhaul manual.
Spark plugs serviced.
Engine serviced with Phillips 66 type "M" 20W50 oil
Oil filter replaced.
Magnet to engine timing on RH Mag adjusted and both mags synchronized
Ground run up of engine performed and found to be satisfactory.
Fluids leak check performed. No leaks detected.
NOTE: For the next 25 HRS of operation this engine must be operated on Phillips 66 type "M" 20W50 oil.
Spacer washer under LH rudder pulley installed.
Elevator trim dampener friction rod replaced with new and friction tension adjusted to specs.
Air vent duct coupling on either side behind the I-panel sealed with wing root tape to prevent blowby of vented air to escape on the sides.
Extra foam added to seal ducting under Pilot's seat.
Tension on seatbelt retract mechanism increased.
Attitude indicator removed and reinstalled by Avionics Department after bench test.
Starter relay replaced with the latest revision type P/N: 26.58.09 Installation of the same carried out I.A.W. the following Diamond Aircraft approved Dwgs. # DA4-2406-13-00/1 REV. A Dwg. # DA4-2406-30-00 REV. A and DA4-2466-10-00 REV. D
Hence RSB 40-011 complied with.
AWD Biweekly checked to Revision 2002-15.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-93

Signature *[Signature]* Lic. Or Stamp



Date: August 13, 2002 S/N: 40.212 Reg. #: N925RH
W/O RO-02-254 TACH: 86.0 HRS PROP S/N: 00204 AIRFRAME TSN: 86.0 HRS
PROP TSN: 21.7 HRS

Following additional work carried out:
Propeller S/N: 02124 TSN: 86.0 HRS Removed this date.
Serviceable Repaired Prop S/N: 00204 with TSN: 21.7 HRS Installed.
Dynamic Balance of the Propeller carried out.
Air leaks around Pilot's seat and overhead light switch console sealed up.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-93

Signature *[Signature]* Lic. Or Stamp

INSPECTION, REPAIRS & REPLACEMENT

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

I HAVE CARRIED OUT AN INDEPENDENT CHECK OF THE ENGINE CONTROLS AFFECTED BY THE WORK ACCOMPLISHED.

Signature *[Signature]* Lic. Or Stamp



I HAVE CARRIED OUT AN INDEPENDENT CHECK OF THE FLIGHT CONTROLS AFFECTED BY THE WORK ACCOMPLISHED.

Signature *[Signature]* Lic. Or Stamp



I HAVE CARRIED OUT AN INDEPENDENT CHECK OF THE FLIGHT CONTROLS AFFECTED BY THE WORK ACCOMPLISHED.

Signature *[Signature]* Lic. Or Stamp



I HAVE CARRIED OUT AN INDEPENDENT CHECK OF THE ENGINE CONTROLS AFFECTED BY THE WORK ACCOMPLISHED.

Signature *[Signature]* Lic. Or Stamp



Date: August 13, 2002 S/N: 40.212 Reg. #: N925RH W/O: RO-02-254 Tach: 86.0
Eng S/N: L-30319-51A Eng TTSN: 86.0 Prop S/N: 00204 TTSN: 21.7 HRS

The Propeller / Engine combination on this aircraft has been dynamically balanced. Observe Prop Spinner and balance weights location during any maintenance of the prop.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-93

Signature *[Signature]* Lic. Or Stamp



AIR TIME AND

ENGINEERING RECORD

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.			
BROUGHT FORWARD	Tach	86.0	86.0				



Airframe
LOG BOOK ENTRY
Make: Diamond
Total Time: 150.0
Dated: 09/18/02
Model: DA-40-180
Tach Time: 150.0
N# 925RH
SN: 40.212

Performed an annual inspection on this airframe per the Diamond DA-40 maintenance manual.
Performed annual ELT inspection and operational checks per FAR 91.207(d).
The ELT battery expires May of 2003.
Complied with AD 93-02-05 by inspecting the fuel injection lines and clamps per the Textron Lycoming SB 342D, and no defects were found. The next inspection is due at 250.0 hours total time, annually, or the next access.
Complied with SB 40-006 by inspecting the exhaust system. Torqued all of the exhaust system hardware.
Complied with the 100 hour Slick start inspection per the Unison L1492 maintenance manual.
Performed an operational and leak check, as needed, on the above listed items, and no discrepancies were noted. This work was done per the Diamond DA-40 maintenance manual.

Continued on page #2

Page #2

I certify that this aircraft has been inspected in accordance with a Diamond DA-40 Annual Inspection & was determined to be in airworthy condition. Pertinent details on file at this agency under;
W/O# 37135, 37136, 37148 Signed: Mark Smith
DATED: 09/18/02 IA 374908365
NORTHERN AIR INC., CRS# N81R812N, GERALD R, FORD INT'L AIRPORT, GRR, MI. 49512



LOG BOOK ENTRY
Make: Diamond
Total time: 165.2
Dated: 10/11/02
Model: DA 40
Hobbs time: 165.2
N# 925RH
SN: 40.212

Installed a Pitot head assembly part no. DA4-3417-10-00/1 serial no. SO021861 after being inspected by Diamond Aircraft Industries Inc. CRS# N5V 1S2 reference work order SO02 1861.
Complied with SB 40-008 by removing the Vision Micro systems assembly 3020018 and removed the cover. Inspected the circuit board and found the specified resistors were previously removed. Reinstalled the assembly and no further action is required.
Installed a new left overhead map light bulb part no. OSR 2845.
Performed an operational check, and no defects were noted. This work was done per the Diamond DA 40 maintenance manual.

The work identified above was performed in accordance with the current Federal Aviation Regulations and was found to be airworthy for return to service. Pertinent details are on file at this agency under;
W/O# 37225 Signed: [Signature]
DATED: 10/11/02 for
NORTHERN AIR INC., CRS# N81R812N, GERALD R, FORD INT'L AIRPORT, GRR, MI. 49512

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

DIAMOND AIRCRAFT INDUSTRIES

PRINTED: WED JAN 08 18:10:24 2003

----- MICROBASE BALANCE HISTORY -----

DATE: 01/08/2003

A/C: N925RH

MDI: DA40

OPER: BRIAN

KUN	TYPE	RPM	VIB	LEVEL	PHASE	WT1	LOC1	WT2	LOC2	SENS	TACH
1	L	2308.3	0.405	IN/S	348.0	12.10	90	0.00	0	30.0	90
2	L	2335.0	0.300	IN/S	351.9	25.00	90	0.00	0	112.2	113
3	L	2538.2	0.597	IN/S	160.0	15.00	274	0.00	0	28.0	106
4	L	2604.3	0.040	IN/S	192.9	1.08	239	0.00	0	26.6	108

COMP: Prop/Eng MDL: DESC: HRS: 0.0

----- POLAR PLOT - 1.0 IN/S FS -----

HRS: 0.0

CARRIED FORWARD

5

CARRIED FORWARD

CARRIED FORWARD

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.			
BROUGHT FORWARD							
6-5-07	Tach	364.1	TACH	364.1	Annual insp. completed this date. Inspected ELT per FAR 91.207D. C/W MSB 40-030/1 by inspection of Fuel selector shaft. C/W MSB 40-033 by inspection of exhaust risers. Replaced pitot heat probe with new. Ops + runup good. AD's checked thru CD2007-10. Installed leaner prop pin MTV-12-B/180-17F S/N 03187 on this aircraft. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Rys H/L A+P310987526JA		
8-27-07	Tach	371.8			Installed overhauled prop. See prop log for details. Installed NACA Vent cover Rys H/L A+P310987526JA		
Tri-State Aero Date: 8/21/2007; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 459.50; Tach: 0.00; Total Time: 0.00; Engine Type: S/N: Time: 0.00; Prop Type: S/N: Time: 0.00. PD Shop Order #: SH-07-0766 Discrepancy: 2 NOSE WHEEL FAIRING DAMAGED Corrective Action: 2 REMOVED LEFT AND RIGHT NOSE WHEEL PANT HALVES. INSTALLED NEW LEFT WHEEL PANT HALF PART# DA4-3223-91-00P, SERIAL# PNT0600213. MANUFACTURED BY DIAMOND AIRCRAFT INDUSTRIES INC. ON THEIR WORK ORDER# S1080902 DATED AUG. 16, 2007. INSTALLED NEW RIGHT WHEEL PANT HALF. PART# DA4-3225-92-00P, SERIAL# RW2007-196. MANUFACTURED BY DIAMOND AIRCRAFT INDUSTRIES INC. UNDER THEIR WORK ORDER# S1080085 DATED JULY 05, 2007. The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station. Signed: <i>Jeremy S. Burt</i> Dated: 8/20/07 Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221							
Tri-State Aero Date: 10/09/2007; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 475.50; Tach: 0.00; Total Time: 0.00; Engine Type: S/N: Time: 0.00; Prop Type: S/N: Time: 0.00. PD Shop Order #: SH-07-1069 Discrepancy: 2 CW AD 2007-11-21 AMEND 39-15078 DATED JULY 9, 2007 Corrective Action: 2 COMPLIED WITH AD 2007-11-21 AMEND 39-15078 DATED JULY 9, 2007 AS INSTRUCTED IN DIAMOND MSB 40-030/3, INSTALLED NEW FUEL SELECTOR SHAFT PN D41-2823-20-00CS, REPETITIVE INSPECTION ON UNIVERSAL JOINTS NO LONGER REQUIRED. The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station. Signed: <i>MTAL</i> Dated: 10/09/07 Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221							
Tri-State Aero Date: 12/18/2007; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 499.80; Tach: 0.00; Total Time: 0.00; Engine Type: S/N: Time: 0.00; Prop Type: S/N: Time: 0.00. W.M. Shop Order #: SH-07-1197 Discrepancy: 2 LH MAIN TIRE FLAT Corrective Action: 2 R&R TUBE P/N 600-6 WITH NEW TUBE IAW DIAMOND AIRCRAFT M/M 32-40-00 The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station. Signed: <i>Paul D. Schubert</i> Dated: 12-18-07 Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221							
CARRIED FORWARD							

Tri-State Aero

Date: 9/10/2007; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 470.40; Tach: 0.00; Total Time: 0.00;
Engine Type: S/N: Time: 0.00; Prop Type: S/N: Time: 0.00. PD
Shop Order #: SH-07-1003

Discrepancy: 2

AD2007-11-21 Inspection Of Fuel Selector Valve Universal Joint.

Corrective Action: 2

C/W AD2007-11-21 AMEND 39-15078 DATED 07/09/07 Inspection Of Fuel Selector Valve Universal Joint BY PERFORMING VISUAL INSPECTION ON UNIVERSAL JOINTS AS INSTRUCTED IN DAI MSB 40-030/3, NO DEFECTS NOTED, NEXT DUE IN 50hrs.

Discrepancy: 3

AD 2007-17-06 Inspection Of Nose Landing Gear Leg Pivot Axle.

Corrective Action: 3

C/W AD 2007-17-06 BY INSPECTING NOSE LANDING GEAR LEG I/A/W M/S/B D4-046/1 & DIAMOND A/M/M 32-20-00 NO DEFECTS NOTED AT THIS TIME

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *MTAL*

Dated: 09/10/07

Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Tri-State Aero

Date: 10/09/2007; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 475.50; Tach: 0.00; Total Time: 0.00;
Engine Type: S/N: Time: 0.00; Prop Type: S/N: Time: 0.00. PD

Shop Order #: SH-07-1069

Discrepancy: 2

CW AD 2007-11-21 AMEND 39-15078 DATED JULY 9, 2007

Corrective Action: 2

COMPLIED WITH AD 2007-11-21 AMEND 39-15078 DATED JULY 9, 2007 AS INSTRUCTED IN DIAMOND MSB 40-030/3, INSTALLED NEW FUEL SELECTOR SHAFT PN D41-2823-20-00CS, REPETITIVE INSPECTION ON UNIVERSAL JOINTS NO LONGER REQUIRED.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *MTAL*

Dated: 10/09/07

Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

10-19-07 Tach 392.2 Replaced all tires with new. Replaced both main tubes with new. Repacked all wheel bearings. Retensioned nose gear Fork to proper tension. Ops test good.
Rys H/L A+P310987526JA

1-15-08 Tach 403.1 Installed engine battle winterization kit pin D41-7116-61-00-1. Rys H/L A+P310987526JA

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.								
BROUGHT FORWARD								
RON COLLINS AVIATION ELECTRONICS								
Logbook Entry								
Date	3/10/2008		Make	Diamond	N#	925RH		
Adjusted A/P offsets and sys checks were normal.								
The aircraft and/or appliance identified above was repaired and/or inspected in accordance with current FAA regulations and is approved for return to service for the work performed.								
Pertinent details of this repair are on file at this Repair Station under Work Order 08-0244								
<i>[Signature]</i>								
Louis A. Gaiser Cert # 2254646								
For: Ron Collins Aviation Electronics LLC 2158 State Route 136W, Henderson, KY, 42420								
Phone (270)827-1161 FAX (270)827-1164 CRS No. PG2R082L								
URL www.roncollinsaviation.com E-Mail al@roncollinsaviation.com								
RON COLLINS AVIATION ELECTRONICS								
Logbook Entry								
Date	3/11/2008		Make	Diamond	N#	925RH		
Removed Garmin model no. GNS-530 S/N 78404650, GA-56 S/N 59047173 for WAAS Upgrade. Installed Garmin GNS-530W S/N 78404650, GA-35 S/N 34697 WAAS GPS Antenna. The Aircraft Weight & Balance and Equipment List have been revised. For details of this installation and instructions for Continued Airworthiness, see FAA Form 337.								
The aircraft and/or appliance identified above was repaired and/or inspected in accordance with current FAA regulations and is approved for return to service for the work performed.								
Pertinent details of this repair are on file at this Repair Station under Work Order 08-0242								
<i>[Signature]</i>								
Bruce W. Tippet A&P 3646848								
For: Ron Collins Aviation Electronics LLC 2158 State Route 136W, Henderson, KY, 42420								
Phone (270)827-1161 FAX (270)827-1164 CRS No. PG2R082L								
URL www.roncollinsaviation.com E-Mail bruce@roncollinsaviation.com								
4-21-08. Changed diaphragm and face gaskets on magnetic compass. Operational and leak check performed and found to be satisfactory. BitShit, Apr 21 75824								
6-10-08 Tach 426.4 TAE 426.4 Annual inspection completed this date. ELT inspected per FAR 91.207D. Reattached velcro to pilot/copilot seat bottom. Replaced fuel selector shaft with new unit p/n D41-2823-20-00C\$. Rigging check good. Cleaned and lubed elevator trim block and system. Lubed cabin door latches. Replaced induction air filter with new. AD's checked thru CD 2008-09. Clw AD 07-17-06 by inspection of nose landing gear for cracks. No defects noted. Clw MSB 40/030/3 40-04611 by inspection. No defects noted. Runup and leak check good. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Rgt-Htl A/P 3296474IA								
6-10-08 Tach 426.4 Clw AD 07-16-13 by inspection of prop erosion shield. No defects noted. Rgt-Htl A/P 3296474IA								

CARRIED FORWARD

CARRIED FORWARD

AIR TIME AND

ENGINEERING RECORD

10

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.		
BROUGHT FORWARD						

AIRCRAFT MAINTENANCE LOGBOOK ENTRY

Date: 9 MAR 2009 Registration: N925RH

UPDATED SOFTWARE OF GARMIN GN5530W NAV/COM
S/N 78404650 TO REV. 3.11 MAIN/3.1 GPS RECEIVER.
UPDATED MAIN SOFTWARE OF GARMIN GN5430
NAV/COM S/N 97109008 TO REV. 5.04.

Pertinent details of this repair are on file at this Repair Station under Work Order No.: 09-0269
The aircraft and/or component(s) identified above was repaired and inspected in accordance with current FAA regulations and, respective of work performed, found to be airworthy and approved for return to service.

For: Ron Collins Aviation Electronics CRS No. PG2R082L Phone: (270) 827-1161
2158 State Route 136W Henderson City-County Airport Henderson, KY. 42420

Logbook Entry

Date: 3/12/2009 Make: Diamond Model: DA40

Removed ACK E-01 and installed Arter ME406 ELT.

The aircraft and/or appliance identified above was repaired and/or inspected in accordance with current FAA regulations and is approved for return to service for the work performed.

Pertinent details of this repair are on file at this Repair Station under Work Order 09-0265

Ronald Mattingly Cert # 3052186

For: Ron Collins Aviation Electronics LLC 2158 State Route 136W Henderson, KY, 42420

Phone (270) 827-1161 FAX (270) 827-1164 CRS No. PG2R082L

URL: www.roncollinsaviation.com E-Mail: ron@rcae.info

CARRIED FORWARD



Going your way every day since 1957
Aircraft Logbook Entry

Date: June 29, 2009
Total Time: 464.1

Aircraft: N925RH
Hour Meter: N/A

SN: 40,212
Tach: 464.1

Annual inspection completed this date. Complied with OSB40-025 by installing the 18MM main gear legs. Performed alignment checks on main gear. Complied with OSB40-057 by limiting elevator up travel. Installed ESB-24 bushing to limit travel to 18 degrees in accordance with drawing number D41-0827-10-00_3. Reweighed aircraft to obtain new empty weight of 1725.8 lbs. and empty weight CG of 96.42. Weight and balance updated in POH. New max landing weight of 2535 lbs. and Max takeoff weight of 2646 lbs. Inspected ELT per FAR91.207D. Tied up misc scat hoses and wiring under front seats. AD's checked through CD2009-12. Complied with AD2009-10-04 by inspection of nose gear pivot. No defects noted. Complied with AD2008-14-07 by inspection of fuel injection lines. No defects noted. Complied with AD2007-26-13 by inspection of prop leading edge. No defects noted. Replaced batteries in emergency power pack. Due again 6-2011. I certify that this aircraft has been inspected in accordance with an annual inspection as was determined to be in airworthy condition.

[Signature]

A&P3094099IA
Dave Lewis

CHARTER - AIRCRAFT MANAGEMENT - FULL SERVICE FBO - MAINTENANCE

Don Davis Aviation, Inc - 2154 Hwy 136 West - Henderson, KY 42420 - Telephone 270 826 6000 - Fax 270 826 6040

Date: 4/01/2010; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 604.40; Total Time:
Shop Order #: SH-10-0121
Item: 3

CHECK AIRCRAFT BATTERY

INSPECTED AIRCRAFT BATTERY AND FOUND VOLTAGE BELOW 1 VOLT. INSTALLED NEW GILL
BATTERY P/N G-243 S/N G02483720.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *[Signature]* Dated: 04-01-2010
Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 8/26/2010; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 607.50; Total Time: 607.50
Shop Order #: SH-10-0266

Item: 2

ANNUAL INSPECTION DUE ON DIAMOND DA40.

COMPLIED WITH ANNUAL INSPECTION, DEFECTS ARE NOTED IN THIS WORK ORDER.

Item: 3

AD AND TECHNICAL RESEARCH DUE.

COMPLIED WITH THE AD RESEARCH FOR THIS AIRCRAFT UP TO THE DATE OF THIS ANNUAL INSPECTION.

Item: 4

FAR 91.207D ELT INSPECTION DUE.

PERFORMED INSPECTION ON ELT, NO DEFECTS NOTED AT THIS TIME IN ACCORDANCE WITH FAR 91.207D. NEXT DUE AUGUST 2011.

Item: 5

RUDDER NEEDS REMOVED FOR HINGE PIN LUBRICATION.

REMOVED AIRCRAFT RUDDER, LUBED HINGE BUSHINGS AND REINSTALLED RUDDER IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 27-20-00. RUDDER OPS CHECK GOOD AT THIS TIME.

Item: 6

AD 09-10-04 AMEND. 39-15899 DATED 6/17/09 (NOSE LANDING GEAR LEG PIVOT AXLE INSPECTION) DUE.

AD 09-10-04 AMENDMENT 39-15899 DOES NOT AFFECT THIS NOSE LANDING GEAR STRUT PART NUMBER. NOSE GEAR STRUT WAS REPLACED IN THIS WORK ORDER, DISCREPANCY 19.

Item: 7

PASSANGER ENTRANCE DOOR HAS CRACKED HINGES.

REMOVED DOOR AND SENT OUT FOR REPAIR. RECIEVED REPAIRED DOOR P/N DA4-5221-00-00 WIP

FROM DIAMOND AIRCRAFT INDUSTRIES INC. THIER WORK ORDER RO-10-094 DATED AUGUST 4, 2010. REINSTALLED DOOR AND COMPLETED DOOR UNLOCK WARNING LIGHT OPS CHECK IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 52-10-00.

Item: 8

RH WING WHITE POSITION LIGHT INOP

REMOVED AND REPLACED RH WING WHITE POSITION LIGHT BULB WITH NEW BULB P/N A508-28 IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 33-40-00. OPS CHECK GOOD.

Item: 9

PILOTS OVERHEAD LIGHT INOP.

REMOVED AND REPLACED PILOTS OVERHEAD LIGHT BULB WITH NEW LIGHT BULB P/N A508-28 IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 33-10-00. OPS CHECK GOOD.

Item: 10

ALL LANDING GEAR TIRES NEED SERVICED.

SERVICED ALL AIRCRAFT TIRES AS REQUIRED BY DIAMOND DA40 MAINTENANCE MANUAL 12-20-00.

Item: 11

MAIN LANDING GEAR BRAKE LINE SUPPORTS UNSECURE

RESECURED MAIN LANDING GEAR BRAKE LINE SUPPORTS I/A/W DIAMOND DA40 A/M/M STANDARD PRACTICES.

Item: 12

FUEL LEAKING FROM SENSOR PLUG ON INBOARD SIDE OF RIGHT WING FUEL TANK
TIGHTENED PROBE AND CLEANED AREA, NO LEAKS NOTED AT THIS TIME.

Item: 13

RIGHT ELEVATOR OUTBOARD HINGE AXIAL PLAY IS OUT OF LIMITS.

REMOVED ELEVATOR. REMOVED BUSHING FROM RIGHT OUTBOARD TIP OF ELEVATOR. INSTALLED NEW BUSHING P/N PAF06080 P11 AND INSTALLED NEW ELEVATOR HINGE PIN ON RIGHT SIDE P/N

DV2-5761-00-01. INSTALLED ELEVATOR BACK ONTO AIRCRAFT AND SAFTIED HINGE PINS I/A/W DIAMOND DA40 AMM 27-30-00. OPERATIONAL CHECK GOOD.

Item: 14

NOSE WHELL AXLE NUT APPEARS TO BE WRONG PART NUMBER

REMOVED AND REPLACED AXLE NUT WITH NEW NUT P/N DIN985-M12-ZP IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 32-20-00.

Item: 15

CRACK ON RIGHT HAND WHEEL FAIRING

APPLIED CRACK PREVENTING HOLE AT CRACK ON WHEEL FAIRING AS NEEDED.

Item: 16

PILOTS SEAT BOTTOM NEEDS REGLUED

REGLUED PILOTS SEAT BOTTOM AS NEEDED.

Item: 17

MAIN LANDING GEAR BRAKE PADS ON BOTH SIDES SHOWING SIGNS OF WEAR

REMOVED AND REPLACED BOTH RH AND LH BRAKE LININGS WITH NEW LININGS P/N 066-14100 IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 32-40-00.

Item: 18

AFT DOOR ROD MOUNT CRACKING AROUND BASE ON AIRFRAME.

REMOVED PASSENGER DOOR AND DOOR STRUT. SANDED PAINT FROM AREA AND REMOVED THE CORE RESIN THAT IS IN BETWEEN THE OUTER AND INNER SKINS ON FUSELAGE. SANDED AND CLEANED AREA FOR RESIN. MIXED TOGETHER RESIN P/N L285, HARDENER P/N H286 AND COMPOSIT DRY PASTE KIT P/N DA40CPK. FILLED SPACE BETWEEN OUTER AND INNER SKINS AND LET CURE. COMPLIED WITH CURING PROCEDURES AS PER MAINTENANCE MANUAL 51-20-00. SANDED AND PREPARED AREA FOR PAINTING. DRILLED NEW HOLES FOR THE STRUT MOUNT SCREWS AND PAINTED AREA AS NEEDED. REINSTALLED DOOR AND STRUT. ALL WORKED PERFORMED IAW

DIAMOND AIRCRAFT MAINTENANCE MANUAL 51-20-00 AND 51-30-00.

Item: 19
PIVOT SURFACE FOR NOSE GEAR FORK ON NOSE STRUT, PLATING CHIPPING AWAY FROM SURFACE.

REMOVED DAMAGED STRUT. TRANSFERRED NUT PLATES TO NEW STRUT. INSTALLED NEW STRUT P/N D41-3223-10-00-2 IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 32-20-00. THIS SATISFIES AND ELIMINATES THE RECURRING INSPECTION OF THE NOSE LANDING GEAR LEG FOUND IN AD 09-10-04 AMEND. 39-15899 DATED 6/17/09. SEE ITEM # 6 THIS WORK ORDER.

Item: 20

NOSE WHEEL FORK BUSHINGS MARRED

REMOVED AND REPLACED NOSE FORK BUSHINGS WITH NEW BUSHINGS P/N BB4526DU B AND COMPLETED NOSE WHEEL STEERING FRICTION CHECK IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 32-20-00. NO DEFECTS NOTED AT THIS TIME.

Item: 21

SPRING WASHERS AND NUT HOLDING NOSE GEAR FORK TO STRUT REQUIRE REPLACEMENT, REFER TO ITEM 6.

REMOVED AND REPLACED NUT AND WASHERS WITH NEW NUT P/N DIN935-M10-A2 AND WASHERS P/N DIN2093A-M12 IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 32-20-00.

Item: 22

AD 09-07-14 AMEND. 39-15873 DATED 5/11/09 (MAIN SPAR CAP TO UPPER WING SKIN ADHESIVE JOINT) DUE.

COMPLIED WITH AD 09-07-14 AMEND. 39-15873 DATED 5/11/09 BY FINDING THIS AD DOES NOT APPLY TO THIS AIRFRAME PER THE AIRCRAFT SERIAL NUMBER.

Item: 23

AD 10-01-03 AMEND. 39-16159 DATED 1/20/10 (FIRE FIGHTING ENTERPRISES LIMITED CONTAMINATED

HALON) DUE.

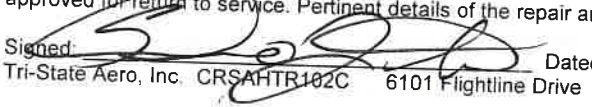
COMPLIED WITH AD 10-01-03 AMEND. 39-16159 DATED 1/20/10 BY FINDING THIS HAND HELD FIRE EXTINGUISHER NOT SERVICED BY FIRE FIGHTING ENTERPRISES LIMITED WITH CONTAMINATED HALON.

Item: 24

AD 10-04-16 AMEND. 39-16209 DATED 3/08/10 (TYPE H1-10 AIR HALON 1211 SICLI P/N=1708337B4 PORTABLE FIRE EXTINGUISHER CONTAMINATED HALON) DUE.

COMPLIED WITH AD 10-04-16 AMEND. 39-16209 DATED 3/08/10 BY FINDING THE HAND HELD FIRE EXTINGUISHER NOT SERVICED WITH TYPE H1-10 AIR HALON 1211 SICLI P/N=1708337B4 CONTAMINATED HALON.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed:  Dated: 8/26/2010
Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 3/31/2011; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 620.90; Total Time: 620.90
Shop Order #: A-11-0043

Item: 2

FAR 91.413 DUE.

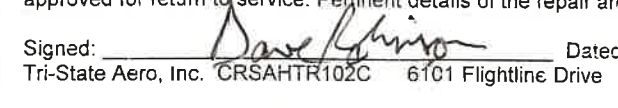
PERFORMED FAR 91.413 IAW APPENDIX F TO PART 43 ON GARMIN GTX 327 TRANSPONDER P.N. 011-00490-00, S.N. 83709761. SYSTEM OPERATION PERFORMS SATISFACTORY.

Item: 3

FAR 91.411 DUE.

REMOVED UNITED INSTRUMENTS ALTIMETER P.N. 5934PD-3 S.N. 423170 DUE TO FAILURE OF SCALE ERROR TEST. REPLACED WITH O/H UNIT SAME P.N., S.N. 431007 FROM MID-CONTINENT INSTRUMENTS FAACRS OL2R061L ON W.O. WRK0170704. PERFORMED FAR 23.1325(b)(2)(i) STATIC SYSTEM PRESSURE TEST. C/W AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT AND ATC TRANSPONDER SYSTEM INTEGRATION TEST. SYSTEM OPERATION PERFORMS SATISFACTORY.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed:  Dated: 3-31-2011
Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 10/06/2011; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 624.90; Total Time: 624.90
Shop Order #: SH-11-0397
Discrepancy: 2
ANNUAL INSPECTION DUE ON DIAMOND DA40.
Corrective Action: 2
COMPLIED WITH ANNUAL INSPECTION ON DIAMOND DA40. DEFECTS ARE NOTED IN THIS WORK ORDER.
Discrepancy: 3
RUDDER NEEDS REMOVED FOR HINGE PIN LUBRICATION.
Corrective Action: 3
REMOVED AIRCRAFT RUDDER, LUBED HINGES AND BUSHINGS AND REINSTALLED RUDDER IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 27-20-00. RUDDER OPS CHECK IS GOOD AT THIS TIME.
Discrepancy: 4
A.D. RESEARCH DUE.
Corrective Action: 4
COMPLIED WITH THE A.D. RESEARCH FOR THIS AIRCRAFT UP TO THE DATE OF THIS ANNUAL INSPECTION.
Discrepancy: 5
ELT INSPECTION DUE PER FAA FAR 91.207 d.
Corrective Action: 5
PERFORMED INSPECTION ON ELT, NO DEFECTS NOTED AT THIS TIME I.A.W. FAR 91.207D. NEXT INSPECTION DUE IN 12 MONTHS.
Discrepancy: 6
AD 10-25-01 AMEND. 39-16534 DATED 1/11/11 (REAR DOOR PASSENGER DOOR RETAINING BRACKET) DUE.
Corrective Action: 6
COMPLIED WITH A.D. 10-25-01 AMEND. 39-16534 DATED 1/11/11 FOR REAR DOOR PASSENGER DOOR RETAINING BRACKET I.A.W. MSB 40-070. REAR DOOR OPS CHECK IS GOOD AT THIS TIME.
Discrepancy: 7
AD 11-11-04 AMEND. 39-16703 DATED 6/17/11 (CONTAMINATED HALON 1211 IN HAND HELD FIRE EXTINGUISHER BOTTLE P/N=863520-00) DUE.
Corrective Action: 7
COMPLIED WITH A.D. 11-11-04 AMEND. 39-16703 DATED 6/17/11 FOR CONTAMINATED HALON 1211 IN HAND HELD FIRE EXTINGUISHER BOTTLE. INSPECTED FIRE EXTINGUISHER. FIRE EXTINGUISHER DOES NOT APPLY TO THIS A.D.
Discrepancy: 8
EXTERNAL POWER RECEPTACLE FWD TERMINAL CONNECTION IS LOOSE.
Corrective Action: 8
TIGHTENED EXTERNAL POWER RECEPTACLE FORWARD TERMINAL AS NEEDED.
Discrepancy: 9
OIL PRESSURE LINE ELECTRICAL CONNECTOR IS LOOSE IN CLAMP.
Corrective Action: 9
REMOVED AND REPLACED OIL PRESSURE ELECTRICAL CONNECTOR CLAMP. CONNECTER IS NOW SECURE AND OK FOR SERVICE AT THIS TIME.
Discrepancy: 10
OIL DRAIN LINE TUBE IS LOOSE. TIGHTEN TUBE AND RE-SECURE.
Corrective Action: 10
TIGHTENED LOOSE NUT ON THE BOTTOM OF THE OIL DRAIN HOSE TUBE ON LOWER FIREWALL. TUBE IS NOW SECURE AND TIGHT.
Discrepancy: 11
NUMBER 3 CYL. HEAT PROBE WIRE IS HANGING LOOSE. NEEDS TO BE SECURED.
Corrective Action: 11
RE-SECURED #3 CYL. HEAT PROBE WIRE AS NEEDED.
Discrepancy: 12
FUEL SELECTOR WONT LOCK ON RIGHT SIDE. GOES TO OFF POSITION.
Corrective Action: 12
INSPECTED FUEL SELECTOR VALVE AND FOUND LOCKING DEVICE TO BE NOT LOCKING IN RIGHT TANK POSITION AND GOING TO FUEL OFF. DISASSEMBLED FUEL SELECTOR AND READJUSTED RIGHT FUEL SELECTOR STOP. OPS CHECK IS GOOD AT THIS TIME.
Discrepancy: 13
BOTH RT AND LT BRAKE CALIPERS ARE SHOWING SIGNS OF LEAKAGE.
Corrective Action: 13
REMOVED RIGHT AND LT BRAKE CALIPERS AND REPLACED CALIPER PISTONS AND O-RINGS. P/N FOR CALIPER PISTONS - 062-08001 AND O-RINGS P/N ON IS MS28775-224. PERFORMED OPS TEST AND LEAK TEST ON RIGHT AND LEFT CALIPERS. OPS CHECK AND LEAK CHECK IS GOOD.
Discrepancy: 14
MAIN BATTERY IS SHOWING SIGNS OF DISCHARGE ON ALL CELLS.
Corrective Action: 14
REMOVED AIRCRAFT BATTERY AND PLACED ON A CHARGER. BATTERY WAS CHECKED FOR ELECTROLYTE LEVEL. BATTERY LEVEL IS GOOD AND IS OK FOR SERVICE AT THIS TIME.
Discrepancy: 15
HAND HELD PORTABLE FIRE EXTINGUISHER IS LOW AND IS DUE HYDROSTATIC CHECK.
Corrective Action: 15
REMOVED HAND HELD FIRE EXTINGUISHER AND INSTALLED NEW EXTINGUISHER. PART NUMBER

REQUIRED FOR COMPLET ENTRIES.

OFF IS A620 MODEL AND NO. SF-239987 CLASSIFICATION 2-B:C. NEW FIRE EXTINGUISHER PART NUMBER IS 13-01993 HALON.
Discrepancy: 16
RIGHT BACK SIDE WINDOW HAS A SMALL SCRATCH THAT NEEDS TO BE MICROMESHED.
Corrective Action: 16
MICROMESHED SCRATCH ON RIGHT REAR WINDOW. SCRATCH HAS BEEN REMOVED. NO EVIDENCE OF SCRATCH IS FOUND AT THIS TIME.
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: RJP Dated: 10/06/2011
Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

LICENCE
NUMBER

Date: 11/30/2011; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 626.00; Total Time:
Shop Order #: SH-11-0474
Discrepancy: 2
TWO ENGINE RUNS ARE REQUIRED EACH MONTH.
Corrective Action: 2
GROUND RAN ENGINE AS REQUIRED ON 11/14/2011. NO DESCREPCENCIES NOTED AT THIS TIME.
ALSO PERFORMED AN ENGINE RUN ON 11/30/2011 AND NO DECREPCENCIES WERE FOUND.
Discrepancy: 3
PERFORM SERVICE CHECK ON TIRES TWICE A MONTH.
Corrective Action: 3
CHECKED TIRE PRESSURES AND FOUND THE NOSE TIRE PRESSURE TO BE LOW. SERVICED NOSE TIRE TO PROPER P.S.I. RT AND LT MAIN TIRES WERE AT THE PROPER LEVEL AND REQUIRED NO SERVICING. ALSO PERFORMED A SERVICE CHECK ON ALL TIRES ON 11/30/2011 AND FOUND NO DESCREPCENCIES AT THIS TIME.
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: RJP Dated: 11/30/2011
Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 1/27/2012; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 627.40; Total Time:
Shop Order #: SH-12-0011
Discrepancy: 2
ENGINE RUN IS REQUIRED TWICE A MONTH.
Corrective Action: 2
GROUND RAN ENGINE ON 01/17/2012 AS REQUIRED. NO DECREPCENCIES ARE FOUND AT THIS TIME. THIS IS THE FIRST RUN OF THE MONTH. GROUND RAN ENGINE AS REQUIRED FOR SECOND RUN OF THE MONTH. NO DESCREPCENCIES ARE FOUND AT THIS TIME. THIS RUN PERFORMED ON 01/27/2012.
Discrepancy: 3
SERVICE TIRES AS NEEDED.
Corrective Action: 3
PERFORMED SERVICE CHECK ON TIRES. NO DEFECTS NOTED AT THIS TIME. SERVICE CHECK PERFORMED ON TIRES ON 01/17/2012. ALSO PERFORMED SERVICE CHECK ON TIRES FOR THE SECOND TIME THIS MONTH. NO PROBLEMS WERE FOUND AT THIS TIME. THIS SERVICE CHECK PERFORMED ON 01/27/2012.
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: RJP Dated: 01/27/2012
Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 2/28/2012; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 627.90; Total Time:
Shop Order #: SH-12-0056

Discrepancy: 2

PERFORM ENGINE RUNS TWICE A MONTH

Corrective Action: 2

GROUND RAN ENGINE FOR THE FIRST RUN OF THE MONTH ON 02/16/2012 . NO PROBLEMS WERE FOUND ON THE FIRST RUN OF THE MONTH . PERFORMED THE SECOND ENGINE RUN ON 02/28/2012 . NO PROBLEMS WERE FOUND AT THIS TIME .

Discrepancy: 3

PERFORM A SERVICE CHECK ON THE TIRES TWICE A MONTH.

Corrective Action: 3

PERFORMED A SERVICE CHECK ON THE TIRES ON 02/16/2012 . NO PROBLEMS WERE FOUND AT THIS TIME . PERFORMED THE SECOND SERVICE CHECK ON THE TIRES ON 02/28/2012 . FOUND RIGHT AND LEFT MAIN TIRES TO NEED SERVICED . SERVICED AS NEEDED AND NOSE TIRE WAS AT THE PROPER P.S.I. .

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: 721136 Dated: 02/28/2012
Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 3/27/2012; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 628.10; Total Time:
Shop Order #: SH-12-0101

Discrepancy: 2

ENGINE RUN TWICE MONTHLY

Corrective Action: 2

GROUND RAN ENGINE FOR THE FIRST TIME ON 03/12/2012 . NO PROBLEMS WERE FOUND AT THIS TIME . PERFORMED THE SECOND ENGINE RUN ON 03/27/2012 . NO PROBLEMS WERE FOUND AT THIS TIME .

Discrepancy: 3

SERVICE TIRES

Corrective Action: 3

PERFORMED TIRE SERVICE CHECK ON 03/12/2012 . NO PROBLEMS WERE FOUND ON ANY TIRES AT THIS TIME . PERFORMED SECOND CHECK ON 03/27/2012 AND ALL TIRES ARE SERVICED AT THIS TIME . NO PROBLEMS WERE FOUND AT THIS TIME .

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: [Signature] Dated: 03/27/2012
Tri-State Aero, Inc. / CRSATR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 3/30/2012; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 628.30; Total Time:
Shop Order #: SH-12-0147

Discrepancy: 2

CHARGE BATTERY AS NEEDED.

Corrective Action: 2

CHARGED BATTERY AND CHECKED THE WATER LEVEL . BATTERY HAS BEEN CHARGED AS NEEDED
AND THE WATER LEVEL IS GOOD . NO PROBLEMS FOUND AT THIS TIME .

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: 72720 Dated: 03/30/2012
Tri-State Aero, Inc. CRSATR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

10/15/2012 HOBBS 671.6

Lubed airframe as needed. Installed new Weldon Boost Pump (provided by Diamond Aviation). Installed new Induction Air Filter (provided by Diamond Aviation). Installed new Stall Warning Horn (Provided by Diamond Aviation). Installed new Hartzell Propeller Model HC-C2YR-1N/ N7605 in accordance with **STC SA02476CH-D** held by Hartzell Propeller Inc. See FAA Form 337 this date. I certify that this aircraft has been inspected IAW an **ANNUAL INSPECTION**, and is in an airworthy condition.

W. Mallory
A&P1510862IA

10/16/2012	hobbs 671.6	Tech 0.0
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REPLACED CAT/CLOCK BATTERIES.

REPLACED NOSE TIRE TUBE.

INSTALLED VS 1000 BATTERY

BUT TESTED FAW FAE 91.207 (d).

W. Mally

$A = P 15,0862$

02/19/2013 Hobbs 673.1

1) Inspected ELT in accordance with FAR 91.207 (d) and it complies, returned back to service for work performed only.

ANDREW RILEY A/P 3306582

CARRIED FORWARD

14

CARRIED FORWARD

AIR TIME AND

ENGINEERING RECORD

15

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD																																																																														
	HRS.	MIN.	HRS.	MIN.																																																																															
BROUGHT FORWARD																																																																																			
2-26-2015	TACH=	898			Ray's Aviation CRS R6AR284J 35 Cessna Taxi, Santa Paula CA. 93060 805-525-4352 The altimeter and static system tests required by FAR 91.411, FAR 43 Appendix E have been performed in this aircraft. Date: 2-26-2015 Static System: ☒ Altimeter: ☒ Altimeter new: O/H Cert. Only: ☒ Altimeter(s) tested to 2,000 ft. The transponder and altitude reporting equipment in this aircraft were tested and found in compliance with FAR 91.413 and FAR 43 Appendix F. Mfr.: Garmin Model: GTX327 S/N 83709761 Date: 2-26-2015 Aircraft Reg. No. <u>Randall K Oaks</u> Randall K. Oaks PILOT ☒ COPILOT ☐ STBY ☐ OTHER ☐ Altimeter Make: <u>United Inst</u> Model: <u>5934-3</u> S/N: <u>428170</u> Registration: <u>N925RH</u> Date: <u>2-26-2015</u> <table border="1"> <thead> <tr> <th>ALT</th> <th>TOL</th> <th>IND</th> <th>ALT</th> <th>TOL</th> <th>IND</th> </tr> </thead> <tbody> <tr><td>-1000</td><td>±20</td><td>-1000</td><td>14000</td><td>±100</td><td>13980</td></tr> <tr><td>0</td><td>±20</td><td>0</td><td>16000</td><td>±110</td><td>16010</td></tr> <tr><td>500</td><td>±20</td><td>510</td><td>18000</td><td>±120</td><td>18020</td></tr> <tr><td>1000</td><td>±20</td><td>1010</td><td>20000</td><td>±130</td><td>20050</td></tr> <tr><td>1500</td><td>±25</td><td>1500</td><td>22000</td><td>±140</td><td></td></tr> <tr><td>2000</td><td>±30</td><td>2010</td><td>25000</td><td>±155</td><td></td></tr> <tr><td>3000</td><td>±30</td><td>3020</td><td>30000</td><td>±180</td><td></td></tr> <tr><td>4000</td><td>±35</td><td>4010</td><td>35000</td><td>±205</td><td></td></tr> <tr><td>6000</td><td>±40</td><td>6000</td><td>40000</td><td>±230</td><td></td></tr> <tr><td>8000</td><td>±60</td><td>8000</td><td>45000</td><td>±255</td><td></td></tr> <tr><td>10000</td><td>±80</td><td>9990</td><td>50000</td><td>±280</td><td></td></tr> <tr><td>12000</td><td>±90</td><td>11980</td><td></td><td></td><td></td></tr> </tbody> </table>	ALT	TOL	IND	ALT	TOL	IND	-1000	±20	-1000	14000	±100	13980	0	±20	0	16000	±110	16010	500	±20	510	18000	±120	18020	1000	±20	1010	20000	±130	20050	1500	±25	1500	22000	±140		2000	±30	2010	25000	±155		3000	±30	3020	30000	±180		4000	±35	4010	35000	±205		6000	±40	6000	40000	±230		8000	±60	8000	45000	±255		10000	±80	9990	50000	±280		12000	±90	11980			
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MAY 9 TH 2015	CHANGED OIL	SHELL 20/50 SEMI-SYNTHETIC 6 QTS.																																																																																	
TACH: 913.6	CHANGED OIL FILTER	CHAMPION CH 48110-1 TORQUED TO 17 FT. LBS. & SAFETY WIRED																																																																																	
OCT 15 TH 2015	CHANGED OIL	SHELL 20/50 SEMI-SYNTHETIC 6 QTS																																																																																	
TACH 961.3	CHANGED OIL FILTER	CHAMPION CH 48110-1 TORQUED TO 17 FT. LBS. & SAFETY WIRED																																																																																	

CARRIED FORWARD

Date: 11/13/2015 805-218-9347 Model: DA 40
N925RH
SN: 40.212
HOBBS: 962.2
AFTT: 962.2



Preformed Annual / 100hrs inspection as per FAR 43 Appendix D, using Diamond DA 40 M.M. Checklist. CW 1000hr inspection using Diamond DA 40 checklist, all ohm reading within limits and no fault found. CW FAR 91 207(d) replaced batteries PN 455-0012 kit, next due repl. 1/2023. CW back-up batt. replacement with 28ea AA Duracell batteries as req. AD 2014-13-08 due at 2000hrs TTIS or 114 months after 8/27/2014. All AD's checked 2015-11-13, see AD report this date. Replaced LH Aileron OB roller (cracked) with new roller out of Assy, Roller Cage PN DS-RG3, Batch # MS0727386-10000(1) as per Diamond Tech. Rebuilt both brake calipers with new O rings PN MS28775-224 2ea, replaced all linings PN 66-106 4ea. Flushed hyd. system and bleed as req. Op check good. Cleaned and resealed fuel strainer, no contaminants found at this time. All wheel bearings repacked. R&R nose fork after service and tension set. Cleaned and serviced induction air filter as req. All airframe systems serviced and pivot points lubed. All work preformed using DA 40 MM. I certify that this aircraft has been inspected and found to be in Airworthy condition. Approved for return to service for work performed.

Brett E. Lee
A&P# 550856335

Ray's Aviation CRS R6AR284J
35 Cessna Taxi, Santa Paula CA. 93060
805-525-4352

The altimeter and static system tests required by 14CFR 91.411, 14CFR 43 Appendix E have been performed in this aircraft.

Date: 12-15-16 Static System: ☒ Altimeter: ☒
Altimeter new: O/H Cert. Only: ☒
Altimeter(s) tested to 2,000 ft.
Tach= 1013.9

The transponder and altitude reporting equipment in this aircraft were tested and found in compliance with 14CFR 91.413 and 14CFR 43 Appendix F.

Mfr.: Garmin Model: GTX327 S/N 83709761

Date: 12-15-2016 Aircraft Reg. No. N925RH

Randall K Oaks
Randall K. Oaks

PILOT ☒ COPILOT ☐ STBY ☐ OTHER ☐

Altimeter Make: United Inst Model: 5934PD-3 S/N: 480007

Registration: N925RH Date: _____

ALT	TOL	IND	ALT	TOL	IND
-1000	±20	-1000	14000	±100	14010
0	±20	0	16000	±110	16020
500	±20	510	18000	±120	18050
1000	±20	1010	20000	±130	20080
1500	±25	1510	22000	±140	
2000	±30	2010	25000	±155	
3000	±30	3020	30000	±180	
4000	±35	4020	35000	±205	
6000	±40	6010	40000	±230	
8000	±60	8000	45000	±255	
10000	±80	10000	50000	±280	
12000	±90	12000			

DATE

Ray's Aviation PO Box 887 Santa Paula, CA 93061 805.525.4352
Reg#: N925RH Make: Diamond Aircraft Model: DA-40 S/N: 40.212
Date: 01/30/18 Tach/Hobbs: 1306.5

BROUGHT
FORWARD

Removed Garmin GTX327 ATCRBS Transponder. Installed Garmin GTX345 ATCRBS / Mode S ADS-B In / Out Transponder, referencing the manufacturer's installation manual, Garmin doc. nos. 190-00734-10 as revised. This installation has been accomplished IAW AML-STC SA01714WI. See FAA form 337 dated 1/26/2018. Complied with 14CFR91.411, 91.413, and 91.227 using a currently calibrated Aeroflex IFR6000 Mode S / ADS-B test set. Weight & Balance and Equipment List revised. The aircraft / component(s) identified above has / have been inspected / repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service only for the work performed. Randall K. Oaks CRS R6AR284 *Randall K Oaks*

Ray's Aviation CRS R6AR284J
35 Cessna Taxi, Santa Paula CA. 93060
805-525-4352

Date: 2-1-2018 Static System: ☒ Altimeter: ☒
Altimeter new: O/H Cert. Only: ☒
Altimeter(s) tested to 20,000 ft.
Tach=1306.5

The Altimeter, Transponder, and altitude reporting, and ADS-B equipment in this aircraft were tested and found in compliance with 14CFR 91.411, 91.413, and 91.227, and 14CFR 43 Appendices E & F.

Mfr.: Garmin Model: GTX345 S/N: 3EG009453

Date: 2-1-2018 Aircraft Reg. No. N925RH

Randall K Oaks
Randall K. Oaks

PILOT ☒ COPILOT ☐ STBY ☐ OTHER ☐					
Altimeter Make: <u>United Inst</u> Model: <u>598400-3</u> S/N: <u>431007</u>			Registration: <u>N925RH</u> Date: <u>2-1-2018</u>		
ALT	TOL	IND	ALT	TOL	IND
-1000	±20	-1000	14000	±100	13980
0	±20	0	16000	±110	16000
500	±20	500	18000	±120	18070
1000	±20	1000	20000	±130	20060
1500	±25	1500	22000	±140	
2000	±30	2000	25000	±155	
3000	±30	3000	30000	±180	
4000	±35	4000	35000	±205	
6000	±40	6000	40000	±230	
8000	±60	7990	45000	±255	
10000	±80	9980	50000	±280	
12000	±90	11990			

DRD

IS REQUIRED FOR COMPLETE

Fuller Aircraft Services

822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060

AIRFRAME LOGBOOK ENTRY

REG. #: N925RH

Diamond Aircraft: DA40 S/N: 40.212

Tach Time: 434.2 Total Time: 1023.2

The total time of the airframe and engine were recalculated at this annual due to persons tracking time by the hobbs meter not the hour meter/Tach on the Vision Microsystems VM1000 as follows; Tach time from new to the log entry on 1/10/07 (Tach 331.2), Hobbs time from 1/10/07 to the Hobbs time at the log entry on 10/16/12 (257.8 hours) at that time the battery in the VM100 had failed and was replaced the hour meter was not reset and the time was 0.0, the present time on the VM1000 is 434.2 giving an aircraft total time of 1023.2.

Completed Annual inspection, service and repairs as follows: Removed, cleaned & inspected all wheel assemblies, replaced inner bearing P/N 13889-20629 & race P/N 13836-20629, tire with 6.00x6 6-ply Airhawk & tube with 6.00x6 AirTrac on L/H main, replaced inner bearing P/N 13889-20629 & race P/N 13836-20629, tire with 6.00x6 6-ply Airhawk & tube with 6.00x6 AirTrac on R/H main, replaced both bearings P/N 08125-20629 & both races P/N 08231-20629 on nose wheel, repacked bearings & reinstalled wheel assemblies. Reattached nut plate to L/H axle nut. Repaired cracks in lower engine cowl air inlet. Fastened L/H brake line hose clamps to landing gear strut A/R. Repaired & adjusted rear door annunciator switch actuator. Reset nose gear fork caster friction to 11 LBS. Removed passengers door & reinstalled after repainting of the inside of the door. Fastened wiring in engine compartment wiring A/R. Serviced engine induction air filter. Replaced clock battery, next battery replacement due Feb. 2020. Replaced emergency backup batteries with 28 Duracell AA batteries, next battery replacement due February 2020. VM1000 battery replacement due next 10/2020. Complied with recurring FAR 91.207 (d) by test & inspection of the ELT Per. Para. (d) (1) thru (4), ELT battery expires Jan. 2023. Aft main spar AD 2014-13-08 due at 2000 hours time in service or within a 114 months after 8/27/14, (Feb 2024) whichever occurs first. ACS ignition switch AD 93-05-06, due at 2000.0 hours time in service. Checked Airworthiness Directive Bi-weeklies through 2018-04. Post inspection ground run & operational check satisfactory. For further details see Diamond Aircraft inspection report. All work completed IAW appropriate maintenance & service manuals.

I certify this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition.

Glenn Fuller

A&P 3493937 IA

February 16, 2018

END

Fuller Aircraft Services

822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060

AIRFRAME LOGBOOK ENTRY

REG. #: N925RH

Diamond Aircraft: DA40 S/N: 40.212

Tach Time: 446.3

Removed throttle quadrant disassembled & inspected, reassembled quadrant with new spring plate washers P/N BN806-20X8.2X0.8. & reinstalled. All work completed IAW appropriate maintenance & service manuals.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service.

Glenn Fuller

A&P 3493937

April 17, 2018

END

CARRIED FORWARD

AIR TIME AND

ENGINEERING RECORD

18

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRY
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
5/18					replaced battery Concord R624-15 tach time = 0456 P. NISSI # 3886039

Fuller Aircraft Services
822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060

AIRFRAME LOGBOOK ENTRY

REG #: N925RH
Diamond: DA40 S/N: 40212
Tach Time: 499.7

Replaced R/H & L/H brake linings P/N 066-10600. All work completed IAW appropriate maintenance & service manuals.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service.

Glenn Fuller A&P 3493937 August 24, 2018
END

Fuller Aircraft Services
822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060

AIRFRAME LOGBOOK ENTRY

REG #: N925RH
Diamond: DA40 S/N: 40212
Tach Time: 509.7

Removed CHT probes on cylinders #1 & #3, Installed #1 probe in cylinder #3 & #3 probe in cylinder #1 to trouble shoot higher CHT readings on cylinder #1.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service.

Glenn Fuller A&P 3493937 September 17, 2018
END

CARRIED FORWARD

Fuller Aircraft Services
822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060

AIRFRAME LOGBOOK ENTRY

REG #: N925RH
Diamond Aircraft: DA40 S/N: 40.212
Tach Time: 544.1 Total Time: 1133.1

Completed Annual inspection, service and repairs as follows: Removed stock exhaust system & installed Power Flow exhaust system, kit #PFS-15102 IAW Power Flow Systems, Inc. installation instructions report number PFS-15250-00 dated 6/10/2010 Per STC SA03281AT, see 337 & new weight & balance dated this date, patched stock exhaust pipe hole in lower engine cowl A/R. Replaced all brake linings P/N 066-10600. Reset nose gear fork caster friction to 11 LBS. Replaced R/H strobe flash tube P/N 02-0250276-00. Serviced engine induction air filter. Clock battery replacement due Feb. 2020. Next emergency backup battery replacement due February 2020. VM1000 battery replacement due next 10/2020. Complied with recurring FAR 91.207 (d) by test & inspection of the ELT Per. Para. (d) (1) thru (4), ELT battery expires Jan. 2023. Complied with Diamond mandatory service bulletin No. MSB-40-058 by installation of inline 100 ohm resistor P/N DA4-2406-44-00SB. ACS ignition switch AD 93-05-06, due at 2000.0 hours time in service. Checked Airworthiness Directive Bi-weeklies through 2019-06. Performed post inspection ground run & adjusted propeller RPM, operational check satisfactory. For further details see Diamond Aircraft inspection report. All work completed IAW appropriate maintenance & service manuals.

I certify this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition.

Glenn Fuller A&P 3493937 IA March 12, 2019
END

Ray's Aviation PO Box 887 Santa Paula, CA 93061 805.525.4352
Reg#: N925RH Make: DIAMOND AIRCRAFT IND INC Model: DA 40 S/N: 40.212
Date: 8/12/2019 Tach/Hobbs: 1559.7

Removed Falcon GM25-3 G meter. Relocated electric attitude gyro to G meter mounting hole. Installed Garmin G5 Electronic Flight Instrument S / N 4JQ027792 configured for attitude display referencing Garmin doc. no.190-01112-10 as revised and STC SA01818WI. See FAA form 337 dated 6/3/2019. FAA approved Airplane Flight Manual Supplement Ray's Aviation Doc. no. 001GNS G5 has been inserted into the airplane flight manual. Weight & Balance and Equipment List revised. The aircraft / component(s) identified above has / have been inspected / repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service only for the work performed. Randall K. Oaks CRS R6AR284J

Randall K. Oaks

Ray's Aviation PO Box 887 Santa Paula, CA 93061 805.525.4352
Reg#: N925RH Make: DIAMOND AIRCRAFT IND INC Model: DA40 S/N: 40.212
Date: 9/5/2019 Tach/Hobbs: 1570.4

Removed Garmin GNS430 P / N 011-00280-10 S / N 97109008 and returned to the manufacturer for repairs. Reinstalled repaired unit, calibrated OBS and performed ground checks outlined in installaton manual, Garmin doc. no 190-00356-08 as revised. The aircraft / component(s) identified above has / have been inspected / repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service only for the work performed. Randall K. Oaks CRS R6AR284J

Randall K. Oaks

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER																																																																																																																																																														
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BROUGHT FORWARD																																																																																																																																																																						
PILOT ☒ COPILOT ☐ STBY ☐ OTHER ☐ Altimeter Make: <u>Gurmin</u> Model: <u>6.5</u> S/N: <u>48002782</u> Registration: <u>N925RH</u> Date: <u>2/13/2020</u> <table border="1"><thead><tr><th>ALT</th><th>TOL</th><th>IND</th><th>ALT</th><th>TOL</th><th>IND</th></tr></thead><tbody><tr><td>-1000</td><td>±20</td><td>-1000</td><td>14000</td><td>±100</td><td>13990</td></tr><tr><td>0</td><td>±20</td><td>10</td><td>16000</td><td>±110</td><td>15990</td></tr><tr><td>500</td><td>±20</td><td>490</td><td>18000</td><td>±120</td><td>17990</td></tr><tr><td>1000</td><td>±20</td><td>990</td><td>20000</td><td>±130</td><td>20000</td></tr><tr><td>1500</td><td>±25</td><td>1500</td><td>22000</td><td>±140</td><td></td></tr><tr><td>2000</td><td>±30</td><td>1990</td><td>25000</td><td>±155</td><td></td></tr><tr><td>3000</td><td>±30</td><td>3000</td><td>30000</td><td>±180</td><td></td></tr><tr><td>4000</td><td>±35</td><td>3990</td><td>35000</td><td>±205</td><td></td></tr><tr><td>6000</td><td>±40</td><td>5990</td><td>40000</td><td>±230</td><td></td></tr><tr><td>8000</td><td>±60</td><td>7990</td><td>45000</td><td>±255</td><td></td></tr><tr><td>10000</td><td>±80</td><td>9990</td><td>50000</td><td>±280</td><td></td></tr><tr><td>12000</td><td>±90</td><td>11990</td><td></td><td></td><td></td></tr></tbody></table>					ALT	TOL	IND	ALT	TOL	IND	-1000	±20	-1000	14000	±100	13990	0	±20	10	16000	±110	15990	500	±20	490	18000	±120	17990	1000	±20	990	20000	±130	20000	1500	±25	1500	22000	±140		2000	±30	1990	25000	±155		3000	±30	3000	30000	±180		4000	±35	3990	35000	±205		6000	±40	5990	40000	±230		8000	±60	7990	45000	±255		10000	±80	9990	50000	±280		12000	±90	11990				Ray's Aviation CRS R6AR284J 35 Cessna Taxi, Santa Paula CA. 93060 805-525-4352 Date: <u>2/13/2020</u> Static System: ☒ Altimeter: <u>Y</u> Altimeter new: <u>O/H</u> Cert. Only: <u>Y</u> Altimeter(s) tested to <u>20,000</u> ft. The Altimeter, Transponder and altitude reporting equipment in this aircraft were tested and found in compliance with 14CFR 91.411, 91.413 and 14CFR 43 Appendices E & F. Mfr.: <u>Gurmin</u> Model: <u>GT8345</u> S/N: <u>3EG-009953</u> Date: <u>2/13/2020</u> Aircraft Reg. No. <u>N925RH</u> <u>Randall K. Oaks</u> Randall K. Oaks <table border="1"><thead><tr><th>ALT</th><th>TOL</th><th>IND</th><th>ALT</th><th>TOL</th><th>IND</th></tr></thead><tbody><tr><td>-1000</td><td>±20</td><td>-1000</td><td>14000</td><td>±100</td><td>14000</td></tr><tr><td>0</td><td>±20</td><td>0</td><td>16000</td><td>±110</td><td>16050</td></tr><tr><td>500</td><td>±20</td><td>500</td><td>18000</td><td>±120</td><td>17030</td></tr><tr><td>1000</td><td>±20</td><td>1040</td><td>20000</td><td>±130</td><td>20070</td></tr><tr><td>1500</td><td>±25</td><td>1500</td><td>22000</td><td>±140</td><td></td></tr><tr><td>2000</td><td>±30</td><td>2010</td><td>25000</td><td>±155</td><td></td></tr><tr><td>3000</td><td>±30</td><td>3010</td><td>30000</td><td>±180</td><td></td></tr><tr><td>4000</td><td>±35</td><td>4010</td><td>35000</td><td>±205</td><td></td></tr><tr><td>6000</td><td>±40</td><td>6000</td><td>40000</td><td>±230</td><td></td></tr><tr><td>8000</td><td>±60</td><td>7990</td><td>45000</td><td>±255</td><td></td></tr><tr><td>10000</td><td>±80</td><td>9990</td><td>50000</td><td>±280</td><td></td></tr><tr><td>12000</td><td>±90</td><td>11990</td><td></td><td></td><td></td></tr></tbody></table>			ALT	TOL	IND	ALT	TOL	IND	-1000	±20	-1000	14000	±100	14000	0	±20	0	16000	±110	16050	500	±20	500	18000	±120	17030	1000	±20	1040	20000	±130	20070	1500	±25	1500	22000	±140		2000	±30	2010	25000	±155		3000	±30	3010	30000	±180		4000	±35	4010	35000	±205		6000	±40	6000	40000	±230		8000	±60	7990	45000	±255		10000	±80	9990	50000	±280		12000	±90	11990				6/23/2020 replaced Whelen Halogen taxi/landing light with Aeroleads Sunbeam M2233-025 (Landing) - M2233-030 (Taxi) total time: 1,325.3. As per install procedure, used existing circuit breaker + wiring Pit. 38086039 Fuller Aircraft Services 822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060 AIRFRAME LOGBOOK ENTRY REG #: N925RH Diamond: DA40 S/N: 40212 Tach Time: 768.7 Removed SlickStart ignition booster P/N SS1001, S/N 02051-007 & installed new Sure Start ignition booster P/N SS1001, S/N 20033163. Removed, cleaned & inspected main wheel assemblies, replaced both tires with 6.00x6 6-ply Air Hawks & both inner tubes with 6.00x6 Aero Classic leak guards, repacked bearings & reinstalled wheel assemblies. All work completed IAW appropriate maintenance & service manuals. The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service. Glenn Fuller <u>[Signature]</u> A&P 3493937 <u>[Signature]</u> August 31, 2020 END Fuller Aircraft Services 822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060 AIRFRAME LOGBOOK ENTRY REG #: N925RH Diamond Aircraft: DA40 S/N: 40.212 Tach Time: 1373.8 Total Time: 1373.8 Completed Annual inspection, service and repairs as follows: Replaced Vision Micro Systems VM-1000 backup battery P/N M48T02-150PC1, at battery replacement the Tach time was 784.8 & was changed to aircraft total time of 1373.8. Replaced cabin accessory power outlet fuse P/N AGC-3. Removed wings, replaced aileron & flap push rod roller cage assemblies in wing root & mid aileron push rod roller cage assembly on L/H wing, replaced aileron & flap push rod roller cage assemblies in wing root on R/H wing & reinstalled wings, replaced all three elevator push rod roller cage assemblies (All roller cage assemblies were P/N DS-RG3). Removed pilots side L/H forward rudder cable, fabricated new cable using 7 X 19 flexible control cable certified to MIL-DTL-83420, new cable eye stiffeners P/N DS-TH1-32-12 & SL2-4 sleeves, replaced both L/H cable bushings P/N DV2-5540-00-06 on yoke & installed cable. Replaced fuel boost pump with new CJ Aviation pump P/N 5100-00-9CJ. Serviced engine induction air filter. Replaced Clock battery, next replacement due April 2023. Emergency backup battery replacement due April 2022. VM1000 battery replacement due next May 2031. Complied with recurring FAR 91.207 (d) by test & inspection of the ELT Per. Para. (d) (1) thru (4), ELT battery expires Jan. 2023. ACS ignition switch AD 93-05-06, due at Tach 2000.0. Checked Airworthiness Directive Bi-weeklies through 2021-10. Performed post inspection ground run, operational check satisfactory. For further details see Diamond Aircraft inspection report. All work completed IAW appropriate maintenance & service manuals. I certify this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition. Glenn Fuller <u>[Signature]</u> A&P 3493937 IA <u>[Signature]</u> April 15, 2020 END		
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